

WHAT IS CLAIMED IS:

1. A thermoplastic transparent resin composition comprising:
3-15 parts by weight of small aperture polybutadiene rubber latex;
5-25 parts by weight of large aperture polybutadiene rubber latex;
40-70 parts by weight of a methacrylic acid alkylester compound or an
acrylic acid alkylester compound;
15-30 parts by weight of an aromatic vinyl compound; and
1-20 parts by weight of a vinylcian compound.
2. The resin composition of claim 1 wherein the composition further
comprises 0.2-0.6 parts by weight of an emulsifying agent, 0.2-0.6 parts by
weight of a molecular weight controlling agent, and 0.05-0.3 parts by weight of a
polymerization starter.
3. The resin composition of claim 1 wherein the small aperture
polybutadiene rubber latex has a particle diameter of 600-1500 Å, a gel content
of 70-95%, and a swelling index of 12-30.
4. The resin composition of claim 1 wherein the large aperture
polybutadiene rubber latex has a particle diameter of 2600-5000 Å, a gel content
of 70-95%, and a swelling index of 12-30,
5. The resin composition of claim 1 wherein the methacrylic acid
alkylester compound and the acrylic acid alkylester compound are
methylmethacrylate.
6. The resin composition of claim 1 wherein the aromatic vinyl compound
is selected from the group consisting of styrene, α -methylstyrene, o-

ethylstyrene, p-ethylstyrene, and vinyl toluene.

7. The resin composition of claim 1 wherein the vinylcyan compound is selected from the group consisting of acrylonitrile, methacrylonitrile, and ethacrylonitrile.

5 8. A method of manufacturing a thermoplastic transparent resin composition comprising the steps of:

a) producing a small aperture polybutadiene rubber latex having an average particle diameter of 600-1500 Å, a gel content of 70-95%, and a swelling index of 12-30 by reacting butadiene at 55-70°C using a polymerization initiator;

b) producing a large aperture polybutadiene rubber latex having a particle diameter of 2600-5000 Å, a gel content of 70-95%, and a swelling index of 12-30 by enlarging the small aperture polybutadiene rubber latex particles; and

15 c) performing graft copolymerization at 65-80°C by continuously or separately adding 3-15 parts by weight of the small aperture polybutadiene rubber latex of step a), 5-25 parts by weight of the large aperture polybutadiene rubber latex of step b), 40-70 parts by weight of a methacrylic acid alkylester compound or an acrylic acid alkylester compound, 15-30 parts by weight of an
20 aromatic vinyl compound, and 1-20 parts by weight of a vinylcian compound.

9. The method of claim 8 wherein the methacrylic acid alkylester compound and the acrylic acid alkylester compound are methylmethacrylate.

10. The method of claim 8 wherein the aromatic vinyl compound is

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11. The method of claim 8 wherein the vinylcian compound is selected

12. The method of claim 8 wherein in step c), a total refraction coefficient

of the compound, excluding the polybutadiene rubber latex, is between 1.510 and 1.526.

1. *Chlorophyll a* (Chl *a*)
 2. *Chlorophyll b* (Chl *b*)
 3. *Chlorophyll c* (Chl *c*)
 4. *Chlorophyll d* (Chl *d*)
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 42. *Chlorophyll ap* (Chl *ap*)
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 120. *Chlorophyll anz* (Chl *anz*)
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 122. *Chlorophyll apz* (Chl *apz*)
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 131. *Chlorophyll ayz* (Chl *ayz*)
 132. *Chlorophyll ayz* (Chl *ayz*)
 133.